

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration

APPLICATION TO MARKET A NEW OR ABBREVIATED NEW  
DRUG OR BIOLOGIC FOR HUMAN USE

(Title 21, Code of Federal Regulations, Parts 314 &amp; 601)

Form Approved: OMB No. 0910-0338

Expiration Date: March 31, 2020

See PRA Statement on page 3.

1. Date of Submission (mm/dd/yyyy)

09/22/2021

## APPLICANT INFORMATION

2. Name of Applicant

ModernaTx, Inc

3. Telephone Number (Include country code if applicable and area code)

617-417-4428

4. Facsimile (FAX) Number (Include country

code if applicable and area code) (b) (6)

5. Applicant Address

Address 1 (Street address, P.O. box, company name c/o)

200 Technology Square

Address 2 (Apartment, suite, unit, building, floor, etc.)

City

Cambridge

State/Province/Region

MA

Country

USA

ZIP or Postal Code

02139

Email Address

michelle.olsen@modernatx.com

Applicant DUNS

069723520

U.S. License Number if previously issued

6. Authorized U.S. Agent (Required for non-U.S. applicants)

Authorized U.S. Agent Name

Address 1 (Street address, P.O. box, company name c/o)

Address 2 (Apartment, suite, unit, building, floor, etc.)

City

State

ZIP Code

Telephone Number (Include area code)

FAX Number (Include area code)

Email Address

U.S. Agent DUNS

## PRODUCT DESCRIPTION

7. NDA, ANDA, or BLA Application Number

125752

8. Supplement Number (If applicable)

9. Established Name (e.g., proper name, USP/USAN name)

COVID-19 Vaccine

10. Proprietary Name (Trade Name) (If any)

SPIKEVAX

11. Chemical/Biochemical/Blood Product Name (If any)

mRNA-1273

12. Dosage Form

suspension

13. Strengths

100 mcg

14. Route of Administration

intramuscular

15A. Proposed Indication for Use

Active immunization against coronavirus disease 2019  
(COVID-19) caused by the SARS-CoV-2 virus in persons 18  
years of age and older.Is this indication for a rare disease (prevalence <200,000 in U.S.)? ☐ Yes ☒ NoDoes this product have an FDA  
Orphan Designation for this  
indication?☐ Yes☒ NoIf yes, provide the Orphan  
Designation number for this  
indication:Continuation  
Page for #15

15B. SNOMED CT Indication Disease Term (Use continuation page for each additional indication and respective coded disease term)

415360003 [Severe acute respiratory syndrome-related coronavirus (organism)]

## APPLICATION INFORMATION

16. Application Type  
(Select one)☐ New Drug Application (NDA)☒ Biologics License Application (BLA)☐ Abbreviated New Drug Application (ANDA)

17. If an NDA, identify the type

☐ 505(b)(1)☐ 505(b)(2)

18. If a BLA, identify the type

☒ 351(a)☐ 351(k)

19. If a 351(k), identify the biological reference product that is the basis for the submission.

Name of Biologic: \_\_\_\_\_ Holder of Licensed Application: \_\_\_\_\_

20. If an ANDA, or 505(b)(2), identify the listed drug product that is/are the basis for the submission.

Name of Drug: \_\_\_\_\_ Application Number of Relied Upon Product: \_\_\_\_\_

Indicate Patent Certification: ☐ P1 ☐ P2 ☐ P3 ☐ P4 ☐ Section viii - MOU ☐ Statement of no relevant patents

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| 21. Submission (See instructions) <input type="checkbox"/> Original <input type="checkbox"/> Labeling Supplement <input type="checkbox"/> CMC Supplement <input type="checkbox"/> Efficacy Supplement <input type="checkbox"/> Annual Report<br><input type="checkbox"/> Product Correspondence <input type="checkbox"/> REMS Supplement <input type="checkbox"/> Postmarketing Requirements or Commitments <input type="checkbox"/> Periodic Safety Report<br><input type="checkbox"/> Request for Proprietary Name Review <input checked="" type="checkbox"/> Other (Specify): <u>Response to Information Request</u>                                                                                                                                                                                                                                                                                                                                                                                                                      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| 22. Submission Sub-Type <input type="checkbox"/> Presubmission <input checked="" type="checkbox"/> Amendment <input type="checkbox"/> Initial Submission <input type="checkbox"/> Resubmission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            | 23. If a supplement, identify the appropriate category. <input type="checkbox"/> CBE <input type="checkbox"/> Prior Approval (PA) <input type="checkbox"/> CBE-30 |                                                                                                                                                                     |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| 24. For Originals and all Supplements, is the product a combination product (21 CFR 3.2(e))? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            | Combination Product Type (See instructions)                                                                                                                       | Request for Designation (RFD) Number                                                                                                                                |                                       |                                                                                                                                            |        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| 25. Does the submission contain:<br>Only Pediatric data? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            | Human factors information? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                    | 26. Proposed Marketing Status (Select one)<br><input checked="" type="checkbox"/> Prescription Product (Rx) <input type="checkbox"/> Over-The-Counter Product (OTC) |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| 27. Reasons for Submission<br>Response to Information Request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| 28. Establishment Information (Full establishment information should be provided in the body of the application.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| <table border="1" style="width:100%; border-collapse: collapse;"><tr><td colspan="2">Establishment Name<br/>ModernaTx, Inc.</td></tr><tr><td colspan="2">Address 1 (Street address, P.O. box, company name c/o)<br/>One Moderna Way</td></tr><tr><td colspan="2">Address 2 (Apartment, suite, unit, building, floor, etc.)<br/>N/A</td></tr><tr><td>City<br/>Norwood</td><td>State/Province/Region<br/>MA</td></tr><tr><td>Country<br/>USA</td><td>ZIP or Postal Code<br/>02062</td></tr><tr><td colspan="2">Registration (FEI) Number<br/>3014937058</td></tr><tr><td colspan="2">MF Number<br/>000000</td></tr><tr><td colspan="2">Establishment DUNS Number<br/>116912313</td></tr><tr><td colspan="2">Is the establishment new to the application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td></tr><tr><td colspan="2">What is the status of the establishment? <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn</td></tr><tr><td colspan="2">Establishment Contact Information at the site/facility</td></tr><tr><td colspan="2">Name of Contact for the Establishment<br/>Emma Harrington</td></tr><tr><td colspan="2">Address 1 (Street address, P.O. box, company name c/o)<br/>One Moderna Way</td></tr><tr><td colspan="2">Address 2 (Apartment, suite, unit, building, floor, etc.)<br/>N/A</td></tr><tr><td>City<br/>Norwood</td><td>State/Province/Region<br/>MA</td></tr><tr><td>Country<br/>USA</td><td>ZIP or Postal Code<br/>02062</td></tr><tr><td colspan="2">Telephone Number (Include area code)<br/>(b) (6)</td></tr><tr><td colspan="2">FAX Number (Include area code)<br/>000-000000</td></tr><tr><td colspan="2">Email Address<br/>(b) (6) @modernatx.com</td></tr><tr><td colspan="2">Manufacturing Steps and/or Type of Testing<br/>Manufacture, Lot Release and Storage of (b) (4), mRNA-1273 LNP<br/>Release, stability, in-process testing of (b) (4), mRNA-1273 LNP<br/>Lot release stability and release testing of mRNA-1273 Drug Product</td></tr><tr><td colspan="2">Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br/>If No, when will site be ready? (mm/dd/yyyy) _____</td></tr><tr><td colspan="2" style="text-align: right;"><b>Continuation Page for #28</b></td></tr></table> |                                                                                                                                            |                                                                                                                                                                   |                                                                                                                                                                     | Establishment Name<br>ModernaTx, Inc. |                                                                                                                                            | Address 1 (Street address, P.O. box, company name c/o)<br>One Moderna Way |  | Address 2 (Apartment, suite, unit, building, floor, etc.)<br>N/A                                                                                                                                                                                                                                                                                                                               |  | City<br>Norwood | State/Province/Region<br>MA | Country<br>USA                                                                                                        | ZIP or Postal Code<br>02062 | Registration (FEI) Number<br>3014937058                                                                                  |  | MF Number<br>000000                                                                   |  | Establishment DUNS Number<br>116912313                                                      |  | Is the establishment new to the application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | What is the status of the establishment? <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn |  | Establishment Contact Information at the site/facility |  | Name of Contact for the Establishment<br>Emma Harrington |  | Address 1 (Street address, P.O. box, company name c/o)<br>One Moderna Way |  | Address 2 (Apartment, suite, unit, building, floor, etc.)<br>N/A |  | City<br>Norwood | State/Province/Region<br>MA | Country<br>USA | ZIP or Postal Code<br>02062 | Telephone Number (Include area code)<br>(b) (6) |  | FAX Number (Include area code)<br>000-000000 |  | Email Address<br>(b) (6) @modernatx.com |  | Manufacturing Steps and/or Type of Testing<br>Manufacture, Lot Release and Storage of (b) (4), mRNA-1273 LNP<br>Release, stability, in-process testing of (b) (4), mRNA-1273 LNP<br>Lot release stability and release testing of mRNA-1273 Drug Product |  | Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____ |  | <b>Continuation Page for #28</b> |  |
| Establishment Name<br>ModernaTx, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Address 1 (Street address, P.O. box, company name c/o)<br>One Moderna Way                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| City<br>Norwood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Country<br>USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Registration (FEI) Number<br>3014937058                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Establishment DUNS Number<br>116912313                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Is the establishment new to the application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Establishment Contact Information at the site/facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Name of Contact for the Establishment<br>Emma Harrington                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Address 1 (Street address, P.O. box, company name c/o)<br>One Moderna Way                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Address 2 (Apartment, suite, unit, building, floor, etc.)<br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| City<br>Norwood                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Country<br>USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Telephone Number (Include area code)<br>(b) (6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| FAX Number (Include area code)<br>000-000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Email Address<br>(b) (6) @modernatx.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Manufacturing Steps and/or Type of Testing<br>Manufacture, Lot Release and Storage of (b) (4), mRNA-1273 LNP<br>Release, stability, in-process testing of (b) (4), mRNA-1273 LNP<br>Lot release stability and release testing of mRNA-1273 Drug Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| <b>Continuation Page for #28</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| 29. Cross References (List related BLAs, INDs, NDAs, PMAs, 510(k)s, IDEs, BMFs, MAFs, and DMFs referenced in the current application.)<br>IND# 19365;<br>IND 019745<br>EUA 027073                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 30. This application contains the following items (Select all that apply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| <table border="1" style="width:100%; border-collapse: collapse;"><tr><td><input type="checkbox"/> 1. Index</td><td><input type="checkbox"/> 2. Labeling (Select one): <input type="checkbox"/> Draft Labeling <input type="checkbox"/> Final Printed Labeling</td><td colspan="2"><input type="checkbox"/> 3. Summary (21 CFR 314.50 (c))</td></tr><tr><td colspan="4"><input type="checkbox"/> 4. Chemistry Section <input type="checkbox"/> A. Chemistry, manufacturing, and controls information (e.g., 21 CFR 314.50(d)(1); 21 CFR 601.2)<br/><input type="checkbox"/> B. Samples (21 CFR 314.50 (e)(1); 21 CFR 601.2 (a)) (Submit only upon FDA's request)<br/><input type="checkbox"/> C. Methods validation package (e.g., 21 CFR 314.50(e)(2)(i); 21 CFR 601.2)</td></tr><tr><td colspan="2"><input type="checkbox"/> 5. Nonclinical pharmacology and toxicology section (e.g., 21 CFR 314.50(d)(2); 21 CFR 601.2)</td><td colspan="2"><input type="checkbox"/> 6. Human pharmacokinetics and bioavailability section (e.g., 21 CFR 314.50(d)(3); 21 CFR 601.2)</td></tr><tr><td colspan="2"><input type="checkbox"/> 7. Clinical microbiology section (e.g., 21 CFR 314.50(d)(4))</td><td colspan="2"><input type="checkbox"/> 8. Clinical data section (e.g., 21 CFR 314.50(d)(5); 21 CFR 601.2)</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                            |                                                                                                                                                                   |                                                                                                                                                                     | <input type="checkbox"/> 1. Index     | <input type="checkbox"/> 2. Labeling (Select one): <input type="checkbox"/> Draft Labeling <input type="checkbox"/> Final Printed Labeling | <input type="checkbox"/> 3. Summary (21 CFR 314.50 (c))                   |  | <input type="checkbox"/> 4. Chemistry Section <input type="checkbox"/> A. Chemistry, manufacturing, and controls information (e.g., 21 CFR 314.50(d)(1); 21 CFR 601.2)<br><input type="checkbox"/> B. Samples (21 CFR 314.50 (e)(1); 21 CFR 601.2 (a)) (Submit only upon FDA's request)<br><input type="checkbox"/> C. Methods validation package (e.g., 21 CFR 314.50(e)(2)(i); 21 CFR 601.2) |  |                 |                             | <input type="checkbox"/> 5. Nonclinical pharmacology and toxicology section (e.g., 21 CFR 314.50(d)(2); 21 CFR 601.2) |                             | <input type="checkbox"/> 6. Human pharmacokinetics and bioavailability section (e.g., 21 CFR 314.50(d)(3); 21 CFR 601.2) |  | <input type="checkbox"/> 7. Clinical microbiology section (e.g., 21 CFR 314.50(d)(4)) |  | <input type="checkbox"/> 8. Clinical data section (e.g., 21 CFR 314.50(d)(5); 21 CFR 601.2) |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| <input type="checkbox"/> 1. Index                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> 2. Labeling (Select one): <input type="checkbox"/> Draft Labeling <input type="checkbox"/> Final Printed Labeling | <input type="checkbox"/> 3. Summary (21 CFR 314.50 (c))                                                                                                           |                                                                                                                                                                     |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| <input type="checkbox"/> 4. Chemistry Section <input type="checkbox"/> A. Chemistry, manufacturing, and controls information (e.g., 21 CFR 314.50(d)(1); 21 CFR 601.2)<br><input type="checkbox"/> B. Samples (21 CFR 314.50 (e)(1); 21 CFR 601.2 (a)) (Submit only upon FDA's request)<br><input type="checkbox"/> C. Methods validation package (e.g., 21 CFR 314.50(e)(2)(i); 21 CFR 601.2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                            |                                                                                                                                                                   |                                                                                                                                                                     |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| <input type="checkbox"/> 5. Nonclinical pharmacology and toxicology section (e.g., 21 CFR 314.50(d)(2); 21 CFR 601.2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            | <input type="checkbox"/> 6. Human pharmacokinetics and bioavailability section (e.g., 21 CFR 314.50(d)(3); 21 CFR 601.2)                                          |                                                                                                                                                                     |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |
| <input type="checkbox"/> 7. Clinical microbiology section (e.g., 21 CFR 314.50(d)(4))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            | <input type="checkbox"/> 8. Clinical data section (e.g., 21 CFR 314.50(d)(5); 21 CFR 601.2)                                                                       |                                                                                                                                                                     |                                       |                                                                                                                                            |                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                |  |                 |                             |                                                                                                                       |                             |                                                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                                                                                  |  |                                                                                                                                                                                           |  |                                                        |  |                                                          |  |                                                                           |  |                                                                  |  |                 |                             |                |                             |                                                 |  |                                              |  |                                         |  |                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                          |  |                                  |  |

Item 30 continued on page 3

30. This application contains the following items (Continued; select all that apply)

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|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 9. Safety update report (e.g., 21 CFR 314.50(d)(5)(vi)(b); 21 CFR 601.2)                     | <input type="checkbox"/> 10. Statistical section (e.g., 21 CFR 314.50(d)(6); 21 CFR 601.2)                                                       |
| <input type="checkbox"/> 11. Case report tabulations (e.g., 21 CFR 314.50(f)(1); 21 CFR 601.2)                        | <input type="checkbox"/> 12. Case report forms (e.g., 21 CFR 314.50 (f)(2); 21 CFR 601.2)                                                        |
| <input type="checkbox"/> 13. Patent information on any patent that claims the drug/biologic (21 U.S.C. 355(b) or (c)) | <input type="checkbox"/> 14. A patent certification with respect to any patent that claims the drug/biologic (21 U.S.C. 355 (b)(2) or (j)(2)(A)) |
| <input type="checkbox"/> 15. Establishment description (21 CFR Part 600, if applicable)                               | <input type="checkbox"/> 16. Debarment certification (FD&C Act 306 (k)(1))                                                                       |
| <input type="checkbox"/> 17. Field copy certification (21 CFR 314.50 (l)(3))                                          | <input type="checkbox"/> 18. User Fee Cover Sheet (PDUFA Form FDA 3397, GDUFA Form FDA 3794, BsUFA Form FDA 3792, or MDUFA Form FDA 3601)        |
| <input type="checkbox"/> 19. Financial Disclosure Information (21 CFR Part 54)                                        |                                                                                                                                                  |
| <input checked="" type="checkbox"/> 20. Other (Specify): <u>Response to Information Request</u>                       |                                                                                                                                                  |

### CERTIFICATION

I agree to update this application with new safety information about the product that may reasonably affect the statement of contraindications, warnings, precautions, or adverse reactions in the draft labeling. I agree to submit safety update reports as provided for by regulation or as requested by FDA. If this application is approved, I agree to comply with all applicable laws and regulations that apply to approved applications, including, but not limited to, the following:

1. Good manufacturing practice regulations in 21 CFR Parts 210, 211 or applicable regulations, Parts 606, and/or 820.
2. Biological establishment standards in 21 CFR Part 600.
3. Labeling regulations in 21 CFR Parts 201, 606, 610, 660, and/or 809.
4. In the case of a prescription drug or biological product, prescription drug advertising regulations in 21 CFR Part 202.
5. Regulations on making changes in application in FD&C Act section 506A, 21 CFR 314.71, 314.72, 314.97, 314.99, and 601.12.
6. Regulations on Reports in 21 CFR 314.80, 314.81, 600.80, and 600.81.
7. Local, state, and Federal environmental impact laws.

If this application applies to a drug product that FDA has proposed for scheduling under the Controlled Substances Act, I agree not to market the product until the Drug Enforcement Administration makes a final scheduling decision.

The data and information in this submission have been reviewed and, to the best of my knowledge, are certified to be true and accurate.

**Warning:** A willfully false statement is a criminal offense, U.S. Code, title 18, section 1001.

|                                                                                                                                                               |                                                                              |                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------|
| 31. Typed Name and Title of Applicant's Responsible Official<br>Michelle Olsen, Associate Director, Regulatory Affairs                                        |                                                                              | 32. Date (mm/dd/yyyy)<br>09/22/2021                              |
| 33. Telephone Number (Include country code if applicable and area code)<br>(617) 417-4428                                                                     | 34. FAX Number (Include country code if applicable and area code)<br>(b) (6) | 35. Email Address<br>michelle.olsen@modernatx.com                |
| 36. Address of Applicant's Responsible Official                                                                                                               |                                                                              |                                                                  |
| Address 1 (Street address, P.O. box, company name c/o)<br>200 Technology Square                                                                               |                                                                              |                                                                  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                                     |                                                                              |                                                                  |
| City<br>Cambridge                                                                                                                                             | State/Province/Region<br>MA                                                  |                                                                  |
| Country<br>USA                                                                                                                                                | ZIP or Postal Code<br>02139                                                  |                                                                  |
| 37. Signature of Applicant's Responsible Official or Other Authorized Official<br><br>Digitally signed by Michelle Olsen<br>Date: 2021.09.22 15:43:02 -04'00' |                                                                              | 38. Countersignature of Authorized U.S. Agent<br><br><b>Sign</b> |

### The information below applies only to requirements of the Paperwork Reduction Act of 1995.

The burden time for this collection of information is estimated to average 24 hours per response, including the time to review instructions, search existing data sources, gather and maintain the data needed and complete and review the collection of information. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the address to the right:

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Office of Operations  
Paperwork Reduction Act (PRA) Staff  
PRASStaff@fda.hhs.gov

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**DO NOT SEND YOUR COMPLETED FORM TO THIS PRA STAFF EMAIL ADDRESS.**

| FIRST CONTINUATION PAGE FOR ITEM 28 – Establishment Information                                                                                                                                             |  |                             |                                                                                                                                                                                              | Provide information for additional establishments below, as needed. |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--|
| Establishment Name<br>ModernaTx, Inc                                                                                                                                                                        |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>210 Rustcraft Road                                                                                                                                |  |                             | Registration (FEI) Number<br>1111111111                                                                                                                                                      |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                                                                                   |  |                             | MF Number<br>000000                                                                                                                                                                          |                                                                     |  |
| City<br>Dedham                                                                                                                                                                                              |  | State/Province/Region<br>MA |                                                                                                                                                                                              | Establishment DUNS Number<br>116912313                              |  |
| Country<br>USA                                                                                                                                                                                              |  | ZIP or Postal Code<br>02026 |                                                                                                                                                                                              |                                                                     |  |
| Is the establishment new to the application?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                         |  |                             | What is the status of the establishment?<br><input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn |                                                                     |  |
| Establishment Contact Information at the site/facility                                                                                                                                                      |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Name of Contact for the Establishment<br>Emma Harrington                                                                                                                                                    |  |                             | Telephone Number (Include area code)<br>(b) (6)                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>One Moderna Way                                                                                                                                   |  |                             | FAX Number (Include area code)<br>000-000-0000                                                                                                                                               |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                                                                                   |  |                             | Email Address<br>(b) (6) @modernatx.com                                                                                                                                                      |                                                                     |  |
| City<br>Norwood                                                                                                                                                                                             |  | State/Province/Region<br>MA |                                                                                                                                                                                              |                                                                     |  |
| Country<br>USA                                                                                                                                                                                              |  | ZIP or Postal Code<br>02062 |                                                                                                                                                                                              |                                                                     |  |
| Manufacturing Steps and/or Type of Testing<br>Release, stability, in-process testing of ModernaTX, Inc. Norwood, MA 02062 (b) (4), mRNA-1273 LNP<br>Stability and release testing of mRNA-1273 Drug Product |  |                             | Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____     |                                                                     |  |
| Establishment Name<br>Aldevron                                                                                                                                                                              |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>4055 41st Avenue South                                                                                                                            |  |                             | Registration (FEI) Number<br>1111111111                                                                                                                                                      |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                                                                                   |  |                             | MF Number<br>000000                                                                                                                                                                          |                                                                     |  |
| City<br>Fargo                                                                                                                                                                                               |  | State/Province/Region<br>ND |                                                                                                                                                                                              | Establishment DUNS Number<br>048764943                              |  |
| Country<br>USA                                                                                                                                                                                              |  | ZIP or Postal Code<br>58104 |                                                                                                                                                                                              |                                                                     |  |
| Is the establishment new to the application?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                         |  |                             | What is the status of the establishment?<br><input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn |                                                                     |  |
| Establishment Contact Information at the site/facility                                                                                                                                                      |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Name of Contact for the Establishment<br>(b) (6)                                                                                                                                                            |  |                             | Telephone Number (Include area code)<br>(b) (6)                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>4055 41st Avenue South                                                                                                                            |  |                             | FAX Number (Include area code)<br>000-000-0000                                                                                                                                               |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                                                                                   |  |                             | Email Address<br>(b) (6)                                                                                                                                                                     |                                                                     |  |
| City<br>Fargo                                                                                                                                                                                               |  | State/Province/Region<br>ND |                                                                                                                                                                                              |                                                                     |  |
| Country<br>USA                                                                                                                                                                                              |  | ZIP or Postal Code<br>58104 |                                                                                                                                                                                              |                                                                     |  |
| Manufacturing Steps and/or Type of Testing<br>Manufacture of linearized plasmid DNA (pDNA) template<br>Release testing of linearized pDNA template                                                          |  |                             | Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____     |                                                                     |  |
| Add Second Continuation Page for #28                                                                                                                                                                        |  |                             |                                                                                                                                                                                              |                                                                     |  |

## SECOND CONTINUATION PAGE FOR ITEM 28 – Establishment Information

Provide information for additional establishments below, as needed.

Establishment Name

Lonza Biologics, Inc.

Address 1 (Street address, P.O. box, company name c/o)

101 International Drive

Address 2 (Apartment, suite, unit, building, floor, etc.)

City

Portsmouth

State/Province/Region

NH

Country

USA

ZIP or Postal Code

03801

Registration (FEI) Number

3001451441

MF Number

000000

Establishment DUNS Number

093149750

Is the establishment new to the application?



Yes



No

What is the status of the establishment?



Pending



Active



Inactive



Withdrawn

## Establishment Contact Information at the site/facility

Name of Contact for the Establishment

(b) (6)

Telephone Number (Include area code)

(b) (6)

Address 1 (Street address, P.O. box, company name c/o)

101 International Drive

FAX Number (Include area code)

000-000-0000

Address 2 (Apartment, suite, unit, building, floor, etc.)

City

Portsmouth

State/Province/Region

NH

Country

USA

ZIP or Postal Code

03801

Email Address

(b) (6)

Manufacturing Steps and/or Type of Testing

Manufacture, Release testing, storage of (b) (4), mRNA-1273 LNP, CX-24414  
Stability Testing of CX-24414

Is the site ready for inspection?



Yes



No



N/A

If No, when will site be ready? (mm/dd/yyyy)

Establishment Name

Associates of Cape Cod

Address 1 (Street address, P.O. box, company name c/o)

124 Bernard Street

Address 2 (Apartment, suite, unit, building, floor, etc.)

Jean Drive

City

East Falmouth

State/Province/Region

MA

Country

USA

ZIP or Postal Code

02536

Registration (FEI) Number

1219145

MF Number

000000

Establishment DUNS Number

076574078

Is the establishment new to the application?



Yes



No

What is the status of the establishment?



Pending



Active



Inactive



Withdrawn

## Establishment Contact Information at the site/facility

Name of Contact for the Establishment

(b) (6)

Telephone Number (Include area code)

000-000-0000

Address 1 (Street address, P.O. box, company name c/o)

124 Bernard Street

FAX Number (Include area code)

000-000-0000

Address 2 (Apartment, suite, unit, building, floor, etc.)

Jean Drive

City

East Falmouth

State/Province/Region

MA

Country

USA

ZIP or Postal Code

02536

Email Address

(b) (6)

Manufacturing Steps and/or Type of Testing

Release and Stability testing of (b) (4), mRNA-1273 LNP, mRNA-1273 Drug product (bacterial endotoxin)

Is the site ready for inspection?



Yes



No



N/A

If No, when will site be ready? (mm/dd/yyyy)

Add Third Continuation Page for #28

| THIRD CONTINUATION PAGE FOR ITEM 28 – Establishment Information                                                                                 |  |                             |                                                                                                                                                                                              | Provide information for additional establishments below, as needed. |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--|
| Establishment Name<br>Catalent Indiana, LLC (subsidiary of Catalant Pharma Solutions, LLC)                                                      |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>1300 South Patterson Drive                                                            |  |                             | Registration (FEI) Number<br>3005949964                                                                                                                                                      |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                       |  |                             | MF Number<br>000000                                                                                                                                                                          |                                                                     |  |
| City<br>Bloomington                                                                                                                             |  | State/Province/Region<br>IN |                                                                                                                                                                                              | Establishment DUNS Number<br>172209277                              |  |
| Country<br>USA                                                                                                                                  |  | ZIP or Postal Code<br>47403 |                                                                                                                                                                                              |                                                                     |  |
| Is the establishment new to the application?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                             |  |                             | What is the status of the establishment?<br><input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn |                                                                     |  |
| Establishment Contact Information at the site/facility                                                                                          |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Name of Contact for the Establishment<br>(b) (6)                                                                                                |  |                             | Telephone Number (Include area code)<br>(b) (6)                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>1300 S. Patterson Drive                                                               |  |                             | FAX Number (Include area code)<br>000-000-0000                                                                                                                                               |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                       |  |                             | Email Address<br>(b) (6)                                                                                                                                                                     |                                                                     |  |
| City<br>Bloomington                                                                                                                             |  | State/Province/Region<br>IN |                                                                                                                                                                                              |                                                                     |  |
| Country<br>USA                                                                                                                                  |  | ZIP or Postal Code<br>47403 |                                                                                                                                                                                              |                                                                     |  |
| Manufacturing Steps and/or Type of Testing<br>Fill/Finish, Packaging, Labeling, In-Process testing, Release Testing (Sterility) of Drug Product |  |                             | Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____     |                                                                     |  |
|                                                                                                                                                 |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Establishment Name<br>Baxter BioPharma Solutions                                                                                                |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>927 S. Curry Pike                                                                     |  |                             | Registration (FEI) Number<br>1000115571                                                                                                                                                      |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                       |  |                             | MF Number<br>000000                                                                                                                                                                          |                                                                     |  |
| City<br>Bloomington                                                                                                                             |  | State/Province/Region<br>IN |                                                                                                                                                                                              | Establishment DUNS Number<br>604719430                              |  |
| Country<br>USA                                                                                                                                  |  | ZIP or Postal Code<br>47403 |                                                                                                                                                                                              |                                                                     |  |
| Is the establishment new to the application?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                             |  |                             | What is the status of the establishment?<br><input checked="" type="checkbox"/> Pending <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Withdrawn |                                                                     |  |
| Establishment Contact Information at the site/facility                                                                                          |  |                             |                                                                                                                                                                                              |                                                                     |  |
| Name of Contact for the Establishment<br>(b) (6)                                                                                                |  |                             | Telephone Number (Include area code)<br>(b) (6)                                                                                                                                              |                                                                     |  |
| Address 1 (Street address, P.O. box, company name c/o)<br>927 S. Curry Pike                                                                     |  |                             | FAX Number (Include area code)<br>000-000-0000                                                                                                                                               |                                                                     |  |
| Address 2 (Apartment, suite, unit, building, floor, etc.)                                                                                       |  |                             | Email Address<br>(b) (6)                                                                                                                                                                     |                                                                     |  |
| City<br>Bloomington                                                                                                                             |  | State/Province/Region<br>IN |                                                                                                                                                                                              |                                                                     |  |
| Country<br>USA                                                                                                                                  |  | ZIP or Postal Code<br>47403 |                                                                                                                                                                                              |                                                                     |  |
| Manufacturing Steps and/or Type of Testing<br>Fill/Finish, Packaging, Labeling, In-Process testing, Release Testing (Sterility) of Drug Product |  |                             | Is the site ready for inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br>If No, when will site be ready? (mm/dd/yyyy) _____     |                                                                     |  |
| Add Fourth Continuation Page for #28                                                                                                            |  |                             |                                                                                                                                                                                              |                                                                     |  |